BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Synaptophysin SYP Rabbit Monoclonal Antibody

Catalog Number: M05049-1

About SYP

Synaptophysin, also known as the major synaptic vesicle protein p38, is a protein that in humans is encoded by the SYP gene. It is mapped to Xp11.23. This gene encodes an integral membrane protein of small synaptic vesicles in brain and endocrine cells. The protein also binds cholesterol and is thought to direct targeting of vesicle-associated membrane protein 2 (synaptobrevin) to intracellular compartments. Mutations in this gene are associated with an X-linked form of cognitive disability.

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Overview

Product Name	Anti-Synaptophysin SYP Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Synaptophysin SYP Rabbit Monoclonal Antibody catalog # M05049-1. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal BGB-19
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P08247

Technical Details

Immunogen	A synthesized peptide derived from human Synaptophysin

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Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:5000-1:10000 IHC, 1:50-1:200 ICC/IF, 1:50-1:200

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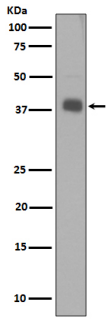
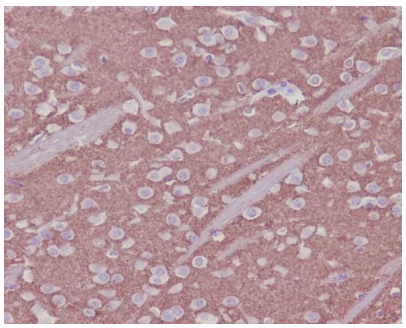
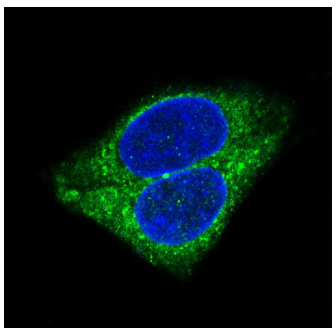
Anti-Synaptophysin SYP Rabbit Monoclonal Antibody (M05049-1) Images



Western blot analysis of Synaptophysin expression in SH-SY5Y cell lysate.



Immunohistochemical analysis of paraffin-embedded mouse brain, using Synaptophysin Antibody .



Immunofluorescent analysis of PC-12 cells, using Synaptophysin Antibody .

2 Publications Citing This Product

1. PubMed ID: 33531914, Lin J,Hao C,Gong Y,Zhang Y,Li Y,Feng Z,Xu X,Huang H,Liao W. Effect of Tetramethylpyrazine on Neuroplasticity after Transient Focal Cerebral Ischemia Reperfusion in Rats. Evid Based Complement Alternat Med. 2021 Jan 18;2021:1587241.doi:10.1155/2021/1587241

2. PubMed ID: 25206583, Liu Y, Liang Z, Liu J, Zou W, Li X, Wang Y, An L. Neural Regen Res. 2013 Oct 15;8(29):2725-33. Doi: 10.3969/J.Issn.1673-5374.2013.29.004. Downregulation Of Caveolin-1 Contributes To The Synaptic Plasticity Deficit In The Hippocampus Of Aged Rats.

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